

Porcelain Electrical Supply Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
327113, Porcelain electrical supply manufacturing	2002..	120	135	7 479	283 234	5 635	11 715	171 914	632 755	400 030	1 019 619	51 880
2001..	N	N	N	9 384	318 373	7 255	14 850	193 561	729 500	388 560	1 131 276	54 293
2000..	N	N	N	10 093	341 493	7 961	16 635	217 657	901 554	433 398	1 318 757	62 136
1999..	N	N	N	9 612	324 604	7 478	15 470	209 945	807 115	385 641	1 193 729	50 999
1998..	N	N	N	9 448	309 219	7 326	14 345	202 113	784 991	425 073	1 211 922	60 105
1997..	131	148	N	10 082	325 254	7 840	16 119	215 143	798 600	371 088	1 167 201	68 329

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327113, Porcelain electrical supply manufacturing												
United States	1	135	72	7 479	283 234	5 635	11 715	171 914	632 755	400 030	1 019 619	51 880
California	4	23	12	977	36 149	740	1 365	21 976	70 097	28 894	93 308	8 246
Illinois	4	8	4	531	15 684	464	1 012	11 685	36 655	18 534	52 786	2 489
Massachusetts	4	8	6	261	9 410	199	404	5 807	22 814	10 641	34 575	899
New York	—	13	9	1 547	68 061	1 041	2 314	35 212	181 457	106 302	283 176	17 574

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327113, Porcelain electrical supply manufacturing	
Companies ¹	number.. 120
All establishments ²	number.. 135
Establishments with 1 to 19 employees	number.. 63
Establishments with 20 to 99 employees	number.. 48
Establishments with 100 employees or more	number.. 24
All employees ³	number.. 7 479
Total compensation	\$1,000.. 367 528
Annual payroll	\$1,000.. 283 234
Total fringe benefits	\$1,000.. 84 294
Production workers, average for year	number.. 5 635
Production workers on March 12	number.. 5 779
Production workers on May 12	number.. 5 625
Production workers on August 12	number.. 5 641
Production workers on November 12	number.. 5 484
Production worker hours	1,000.. 11 715
Production worker wages	\$1,000.. 171 914
Total cost of materials	\$1,000.. 400 030
Materials, parts, containers, packaging, etc., used	\$1,000.. 304 896
Resales	\$1,000.. 40 107
Purchased fuels	\$1,000.. 17 400
Purchased electricity	\$1,000.. 25 790
Contract work	\$1,000.. 11 837
Quantity of electricity purchased for heat and power	1,000 kWh.. 445 185
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 1 019 619
Primary products value of shipments	\$1,000.. 920 421
Secondary products value of shipments	\$1,000.. 44 932
Total miscellaneous receipts	\$1,000.. 54 266
Value of resales	\$1,000.. 50 668
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 997 124
Value of primary products shipments made in this industry	\$1,000.. 920 421
Value of primary products shipments made in other industries	\$1,000.. 76 703
Coverage ratio	percent.. 92
Value added	\$1,000.. 632 755
Total inventories, beginning of year	\$1,000.. 167 356
Finished goods inventories	\$1,000.. 63 232
Work-in-process inventories	\$1,000.. 44 178
Materials and supplies inventories	\$1,000.. 59 946
Total inventories, end of year	\$1,000.. 176 323
Finished goods inventories	\$1,000.. 70 069
Work-in-process inventories	\$1,000.. 50 507
Materials and supplies inventories	\$1,000.. 55 747
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 828 364
Total capital expenditures (new and used)	\$1,000.. 51 880
Buildings and other structures (new and used)	\$1,000.. 8 284
Machinery and equipment (new and used)	\$1,000.. 43 596
Automobiles, trucks, etc., for highway use	\$1,000.. 739
Computers and peripheral data processing equipment	\$1,000.. 2 779
All other expenditures for machinery and equipment	\$1,000.. 40 078
Total retirements	\$1,000.. 16 568
Gross value of depreciable assets at end of year	\$1,000.. 863 676
Depreciation charges during year	\$1,000.. 51 071
Total rental payments	\$1,000.. 13 453
Buildings and other structures	\$1,000.. 9 454
Machinery and equipment	\$1,000.. 3 999
Total other expenses ⁴	\$1,000.. 59 242
Response coverage ratio ⁵	percent.. 76
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 15 382
Communications services ⁴	\$1,000.. 1 930
Legal services ⁴	\$1,000.. 935
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 183
Advertising and promotional services ⁴	\$1,000.. 1 474
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 943
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 168
Management consulting and administrative services ⁴	\$1,000.. 985
Taxes and license fees ⁴	\$1,000.. 3 901
All other expenses ⁴	\$1,000.. 30 342

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327113, Porcelain electrical supply manufacturing											
All establishments	1	135	7 479	283 234	5 635	11 715	171 914	632 755	400 030	1 019 619	51 880
Establishments with—											
1 to 4 employees	9	27	70	2 330	49	97	1 411	4 689	2 446	7 134	469
5 to 9 employees	8	18	124	4 417	97	211	2 750	9 056	4 076	13 084	721
10 to 19 employees	5	18	254	9 587	183	374	5 355	23 271	12 735	36 373	1 368
20 to 49 employees	2	25	788	30 778	543	1 152	16 463	55 063	25 232	80 583	5 082
50 to 99 employees	—	23	1 645	59 165	1 203	2 456	34 005	133 345	65 197	197 755	6 284
100 to 249 employees	1	23	h	D	D	D	D	D	D	D	D
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	44	226	8 391	174	366	5 187	17 376	9 116	26 491	1 778

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327113	Porcelain electrical supply manufacturing	135	7 479	283 234	5 635	11 715	171 914	632 755	400 030	1 019 619	51 880
3271130	Porcelain, steatite, and other ceramic electrical products	135	7 479	283 234	5 635	11 715	171 914	632 755	400 030	1 019 619	51 880

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327113	Porcelain electrical supply manufacturing	2002.. N 1997.. N	X X	X X	997 124 1 208 806
3271130	Porcelain, steatite, and other ceramic electrical products	2002.. N 1997.. N	X X	X X	997 124 1 208 806
32711301	All wet process voltage porcelain products and components	2002.. N 1997.. N	X X	X X	247 780 270 004
3271130111	Pin-type porcelain electrical insulators and line posts, wet process voltage products shipped as complete insulators	2002.. 9 1997.. 7	X X	X X	59 891 40 750
3271130121	Suspension-type porcelain electrical insulators, 7 1/2-inch disc and smaller, wet process voltage products shipped as complete insulators	2002.. 2 1997.. 3	X X	X X	D D
3271130131	Suspension-type porcelain electrical insulators, larger than 7 1/2-inch disc, wet process voltage products shipped as complete insulators	2002.. 2 1997.. 3	X X	X X	D D
3271130141	Switch and bus porcelain electrical insulators (including cap-and-pin and post types), wet process voltage products shipped as complete insulators	2002.. 4 1997.. 5	X X	X X	D 39 825
3271130151	All other porcelain electrical insulators (including guy strain insulators and spools), wet process voltage products shipped as complete insulators	2002.. 9 1997.. 10	X X	X X	67 958 72 728
3271130161	Wet process voltage porcelain products shipped as porcelain pieces only for component parts of other electrical equipment	2002.. 5 1997.. 8	X X	X X	71 590 90 519
32711302	Steatite electrical products	2002.. N 1997.. N	X X	X X	44 215 70 380
3271130211	Steatite electrical products	2002.. 7 1997.. 10	X X	X X	44 215 70 380
32711303	Other ceramic electrical products and components for electronic applications	2002.. N 1997.. N	X X	X X	630 080 771 549
3271130311	All dry process electrical porcelain (including porcelain parts for wiring devices, fuses, circuit breakers, etc.)	2002.. 13 1997.. 12	X X	X X	170 590 186 046
3271130321	Ceramic permanent magnets	2002.. 14 1997.. 18	X X	X X	92 595 132 624
3271130331	Other ferrites (excluding those with electronic components)	2002.. 10 1997.. 12	X X	X X	105 111 144 147
3271130341	Alumina materials for electronic application	2002.. 20 1997.. 18	X X	X X	153 578 112 929
3271130351	Beryllia, titanate, and all other ceramic electrical products and ceramic components for electronic applications	2002.. 18 1997.. 24	X X	X X	108 206 195 803
3271130Y	Porcelain, steatite, and other ceramic electrical products, nsk, total	2002.. N 1997.. N	X X	X X	75 049 96 873
3271130YWW	Porcelain, steatite, and other ceramic electrical products, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	49 548 59 848
3271130YWY	Porcelain, steatite, and other ceramic electrical products, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	25 501 37 025

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327113	Porcelain electrical supply manufacturing		
00900001	Total materials .....2002..	X	304 896
	.....1997..	X	288 191
21232011	Clay, ceramic, and refractory minerals .....2002..	X	124 288
	.....1997..	X	137 741
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	20 459
	.....1997..	X	16 745
332000AC	Metal stampings .....2002..	X	29 650
	.....1997..	X	31 045
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	110 605
	.....1997..	X	96 590
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	19 894
	.....1997..	X	6 070

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.